

Page 2, line 2, after "unnatural", insert --sounding--.

Page 3, line 33, after "after", insert --it has been--.

Page 4, line 1, after "before", insert --it has been--.

Page 4, line 3, after "after", insert --it has been--.

Page 4, line 20, replace "communication" with --communications, such as--.

Page 4, line 20, delete "(".

Page 4, line 22, delete ")".

Page 5, line 4, replace "consists" with --comprises--.

Page 5, line 11, after "93" insert --, shown in Fig. 4, --.

Page 5, line 13, replace "are" with --is--.

Page 5, line 17, replace "on" with --comprising--.

Page 5, line 28, replace "The" with --In a specific embodiment, the--.

Page 6, line 26, replace "..." with --and so forth,--.

Page 9, line 32, replace "range" with -- range--.

Page 10, line 3, after "after" insert --it has been--.

IN THE CLAIMS:

Please amend claims 1-5 and 7-14 as follows. For the Examiner's convenience, all pending claims are reproduced below. Those claims to which no amendment is requested appear in small print.

- 1 1. (Amended) A cellular phone comprising:  
2 an antenna;  
3 a high-frequency circuit unit connected to [an] the antenna;  
4 an audio circuit unit connected to the high-frequency circuit unit;  
5 a control means for controlling said high-frequency circuit unit and said audio  
6 circuit unit;  
7 a memory means connected to the control means;  
8 a control unit connected to said control means;  
9 a microphone and a receiver connected to said audio circuit unit;

10 a speaker for providing specified output in a range between a first frequency  
11 and a second frequency; and  
12 a signal generating means for supplying an audio signal to the speaker;  
13 wherein signal data corresponding to an audio signal to be generated by said  
14 signal generating means is stored in said memory means; and wherein [so that] said control  
15 means controls said signal generating means based on said signal data; and  
16 said signal data stored in said memory means are of [the] a frequency in a range  
17 between said first frequency and said second frequency, and wherein the audio signal [whose]  
18 having a frequency [is] in a range between said first frequency and said second frequency is  
19 supplied to said speaker by said signal generating means.

1 2. (Amended) A cellular phone as claimed in claim 1,  
2 wherein said signal data includes interval data, [and] scale data, and [as well  
3 as] tone data.

1 3. (Amended) A cellular phone as claimed in claim 1,  
2 wherein said memory means stores a plurality of [pieces of] signal data having  
3 first tone data in a specified order, and stores a plurality of [pieces of] signal data having  
4 second tone data in a specified order; and  
5 [said control means controls] said signal generating means [in such a manner  
6 that] generates an audio signal corresponding to the signal data having said first tone data and  
7 an audio signal corresponding to the signal data having said second tone data [are generated]  
8 with predetermined timing.

1 4. (Amended) A cellular phone as claimed in claim 3,  
2 wherein when an audio signal corresponding to the signal data having said first  
3 tone data and an audio signal corresponding to the signal data having said second tone data are  
4 generated with predetermined timing, the audio signal corresponding to the signal data having  
5 said first tone data and the audio signal corresponding to the signal data having said second  
6 tone data form a chord relation in intervals and scales with each other [in terms of their  
7 intervals and scales].

1                   5.       (Amended) A cellular phone comprising:  
2                   an antenna;  
3                   a high-frequency circuit unit connected to [an] the antenna;  
4                   an audio circuit unit connected to the high-frequency circuit unit;  
5                   a control means for controlling said high-frequency circuit unit and said audio  
6 circuit unit;  
7                   a memory means connected to the control means;  
8                   a control unit connected to said control means;  
9                   a microphone and a receiver connected to said audio circuit unit;  
10                  a speaker for providing specified output in a range between a first frequency  
11 and a second frequency; and  
12                  a signal generating means for supplying an audio signal to the speaker;  
13                  wherein signal data corresponding to an audio signal to be generated by said  
14 signal generating means is stored in said memory means; and wherein [so that] said control  
15 means controls said signal generating means based on said signal data;  
16                  said signal data includes interval data, [and] scale data, and [as well as] tone  
17 data; and wherein said signal data [is divided into] comprises a plurality of parts  
18 corresponding to said [according to each piece of] tone data, whereby in a part having a wide  
19 range of frequency distribution, said signal data includes a corresponding audio signal [whose]  
20 having a frequency [is] in a range between said first frequency and said second frequency, and  
21 is stored in said memory means; and whereby  
22                  in a part having a narrow range of frequency distribution, said signal data is  
23 stored in said memory means when the frequency of the corresponding audio signal is in a  
24 range between said first frequency and said second frequency; and  
25                  the audio signal stored in said memory means is supplied to said speaker.

1                   6.       A cellular phone as claimed in claim 5,  
2                   wherein said control means causes each of the audio signals of said plurality of  
3 parts to be supplied to said speaker with predetermined timing.

1                   7.       (Amended) A cellular phone as claimed in claim 6,  
2                   wherein the audio signals of said plurality of parts form a chord relation in  
3                   intervals and scales with one another [**in terms of their intervals and scales**] when the audio  
4                   signals of said plurality of parts are supplied to said speaker with predetermined timing.

1                   8.       (Amended) A melody sound reproducing unit comprising:  
2                   a speaker for providing [**specified**] output in a range between a first frequency  
3                   and a second frequency;  
4                   a signal generating means for supplying an audio signal to the speaker;  
5                   a memory means for storing signal data corresponding to an audio signal to be  
6                   generated by the signal generating means; and  
7                   a control means for controlling said signal generating means based on said  
8                   signal data;  
9                   wherein said signal data is stored in said memory means when the frequency of  
10                  the corresponding audio signal is in a range between said first frequency and said second  
11                  frequency; and  
12                  the audio signal [**whose**] having a frequency [**is**] in a range between said first  
13                  frequency and said second frequency is supplied to said speaker.

1                   9.       (Amended) A melody sound reproducing unit as claimed in claim 8,  
2                   wherein said signal data includes interval data, [**and**] scale data, and [**as well**  
3                   **as**] tone data;  
4                   said memory means stores a plurality of [**pieces of**] signal data having first tone  
5                   data in a specified order and stores a plurality of [**pieces of**] signal data having second tone  
6                   data in a specified order; and  
7                   [**said control means controls**] said signal generating means [**in such a manner**  
8                   **that**] generates an audio signal corresponding to the signal data having said first tone data and  
9                   an audio signal corresponding to the signal data having said second tone data [**are generated**]  
10                  with predetermined timing.

1                   10.       (Amended) A melody sound reproducing unit as claimed in claim 9,

450  
OK for  
Class 381  
Claims 8-16

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93  
Cont.

13. (Amended) A melody sound reproducing **[method for a melody sound reproducing]** unit, said reproducing unit including a speaker for providing specified output in a range between a first frequency and a second frequency; a signal generating means for supplying an audio signal to the speaker; a memory means for storing signal data corresponding to an audio signal to be generated by the signal generating means; and a control means for controlling said signal generating means based on said signal data;

7 wherein said memory means stores a plurality of **[pieces of] portions of** signal  
8 data having first tone data in specified order, said signal data including a corresponding audio  
9 signal **[whose] having a frequency [is]** in a range between said first frequency and said second  
10 frequency, and stores a plurality of **[pieces of] portions of** signal data having second tone data  
11 in specified order, said signal data including a corresponding audio signal **[whose] having a**  
12 frequency **[is]** in a range between said first frequency and said second frequency; and

13 wherein said control means controls said signal generating means **[in such a**  
14 **manner that]** to generate the audio signal corresponding to the signal data having said first  
15 tone data and the audio signal corresponding to the signal data having said second tone data  
16 **[are generated]** substantially simultaneously, whereby a sound corresponding to the signal  
17 data which has said first tone data and includes a corresponding audio signal **[whose] having a**  
18 frequency is in a range between said first frequency and said second frequency and a sound  
19 corresponding to the signal data which has said second tone data and includes a corresponding  
20 audio signal **[whose] having a frequency** is in a range between said first frequency and said  
21 second frequency are produced from said speaker with a predetermined timing.

1 14. (Amended) A melody sound reproducing **[method] unit** as claimed in  
2 claim 13,

3 wherein when an audio signal corresponding to the signal data having said first  
4 tone data and an audio signal to the signal data having said second tone data are generated with  
5 predetermined timing, the audio signal corresponding to the signal data having said first tone  
6 data and the audio signal corresponding to the signal data having said second tone data form a  
7 chord relation in at least one of intervals and scales with each other **[in terms of their**  
8 **intervals and scales]**.

1 15. A method for reproducing a melody; said method comprising:  
2 determining a range between a first frequency and a second frequency;  
3 determining a frequency of an audio signal corresponding to a signal data;  
4 storing said signal data in a memory in specified order when a frequency of the  
5 corresponding audio signal is in said range between said first frequency and said second  
6 frequency; and

7 supplying an audio signal having a frequency in said range between said first  
8 frequency and said second frequency as audio output.

1 16. A method for reproducing a melody as claimed in claim 15, further  
2 comprising:

3 generating with predetermined timing said audio signal, said audio signal  
4 comprising an audio signal corresponding to a first tone data of said signal data, and an audio  
5 signal corresponding to a second tone data of said signal data; and wherein, the audio signal  
6 corresponding to the signal data having said first tone data and the audio signal corresponding  
7 to the signal data having said second tone data form a chord relation in intervals and scales.

1 17. A cellular phone comprising:

2 an antenna;

3 a high-frequency circuit unit connected to the antenna;

4 an audio circuit unit connected to the high-frequency circuit unit;

5 a controller for controlling said high-frequency circuit unit and said audio  
6 circuit unit;

7 a memory connected to the controller;

8 a control unit connected to the controller;

9 a microphone and a receiver connected to said audio circuit unit;

10 a speaker for providing specified output in a range between a first frequency  
11 and a second frequency; and

12 a signal generator for supplying an audio signal to the speaker;

13 wherein signal data corresponding to an audio signal to be generated by said  
14 signal generator is stored in said memory; and wherein said controller controls said signal  
15 generator based on said signal data; and

16 said signal data stored in said memory is of a frequency in a range between said  
17 first frequency and said second frequency, and wherein the audio signal having a frequency in  
18 a range between said first frequency and said second frequency is supplied to said speaker.

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